

FIG. 1A

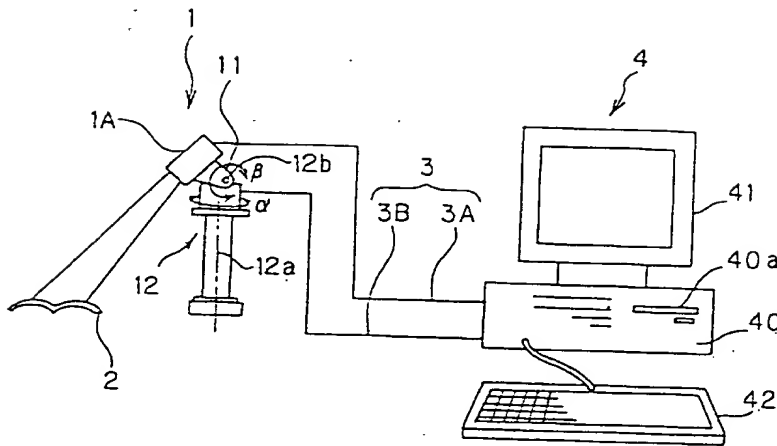
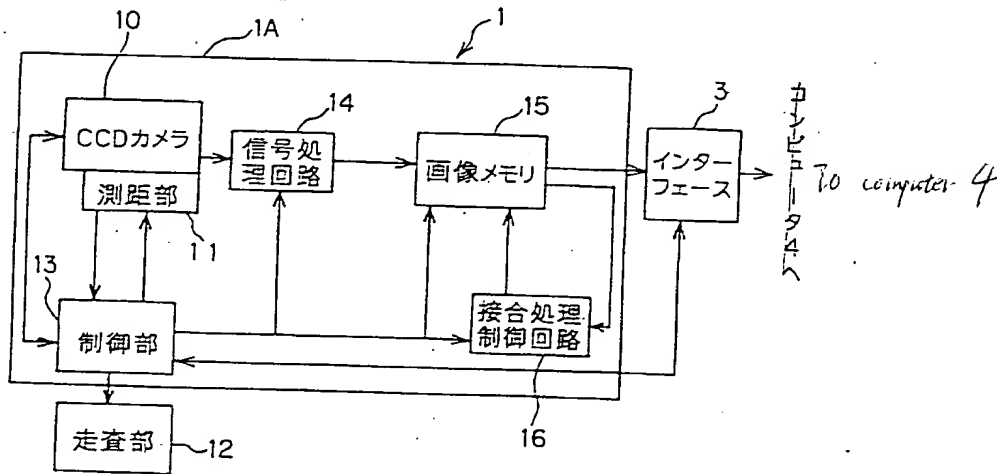


FIG. 1B



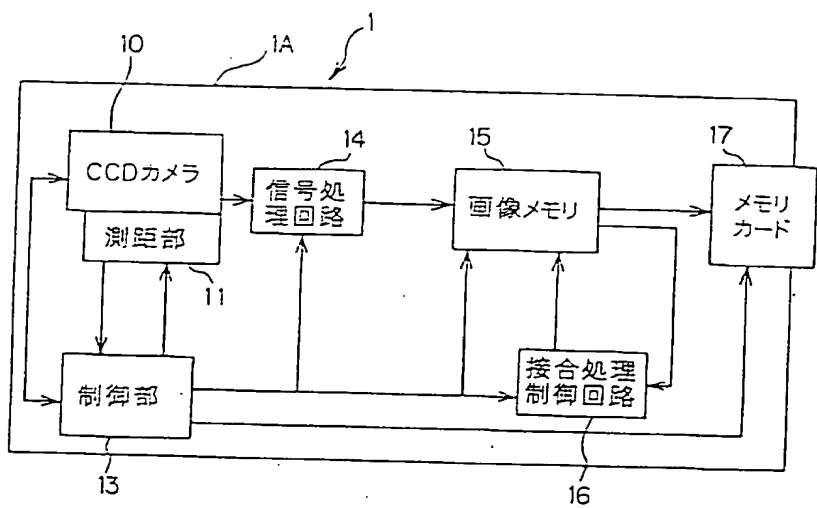
- 3: interface
- 10: CCD camera
- 11: distance measurement unit
- 12: scanner
- 13: controller
- 14: signal processor
- 15: image memory
- 16: synthesization controller







FIG. 5



- 10: CCD camera
- 11: distance measurement unit
- 13: controller
- 14: signal processor
- 15: image memory
- 16: synthesization controller
- 17: memory card

FIG. 6

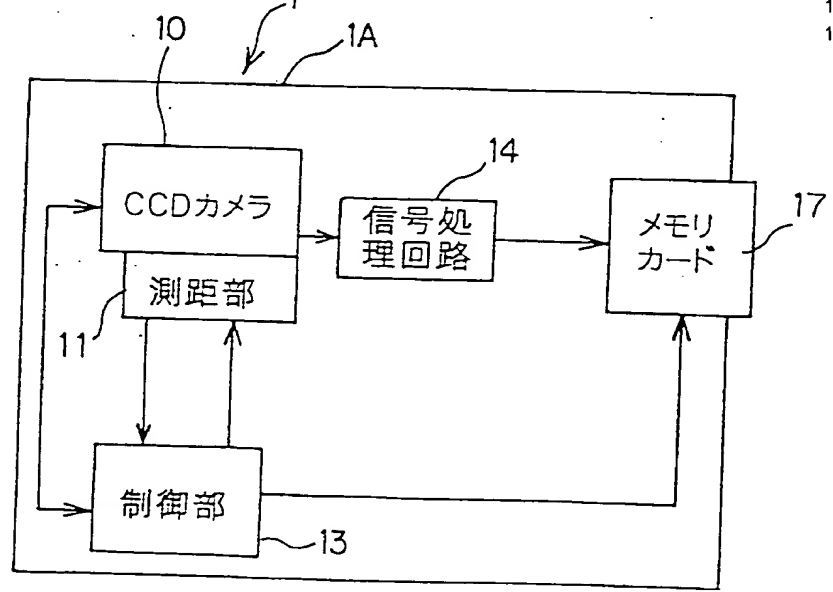


FIG. 7A

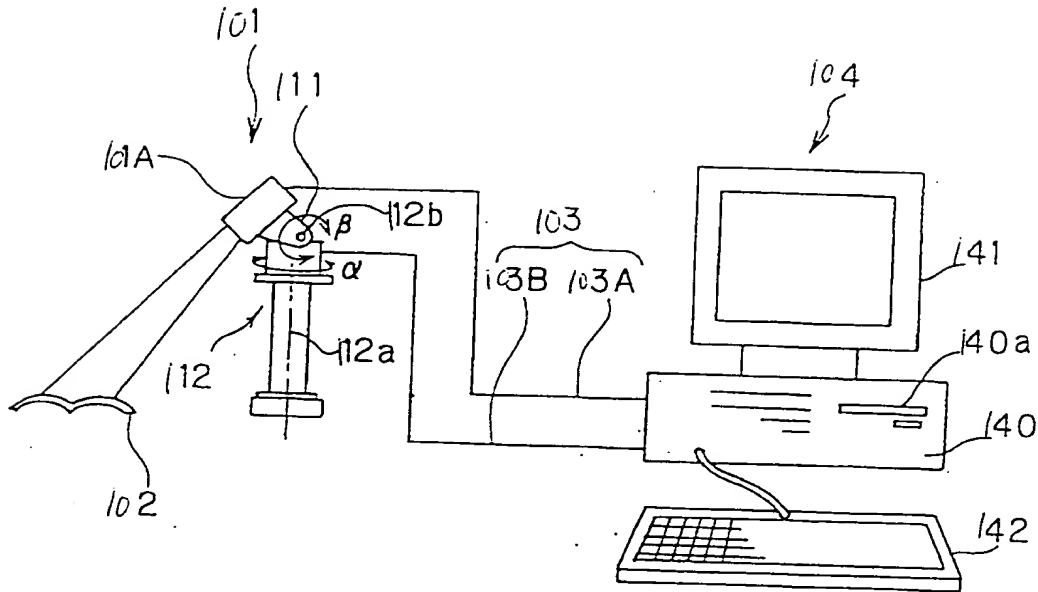


FIG. 7B

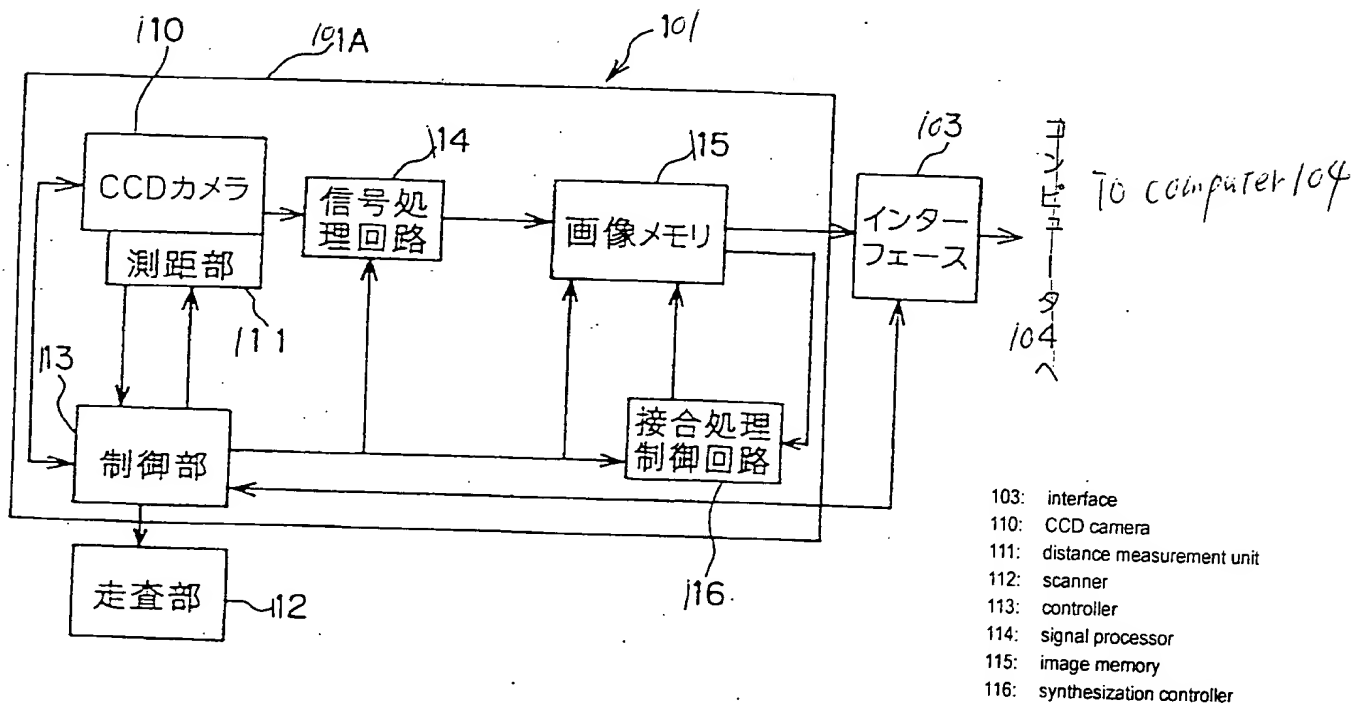


FIG. 8

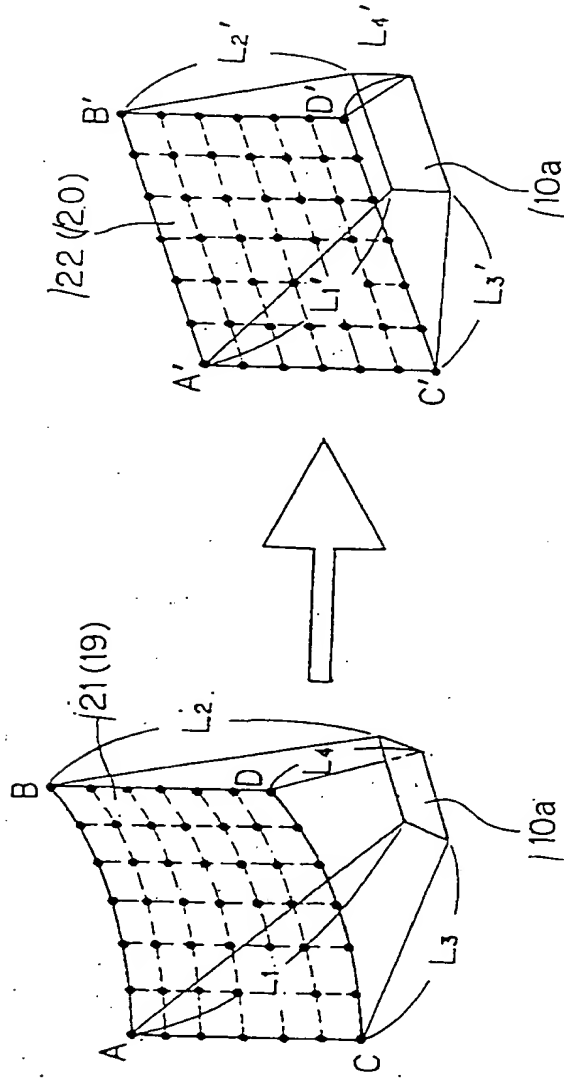
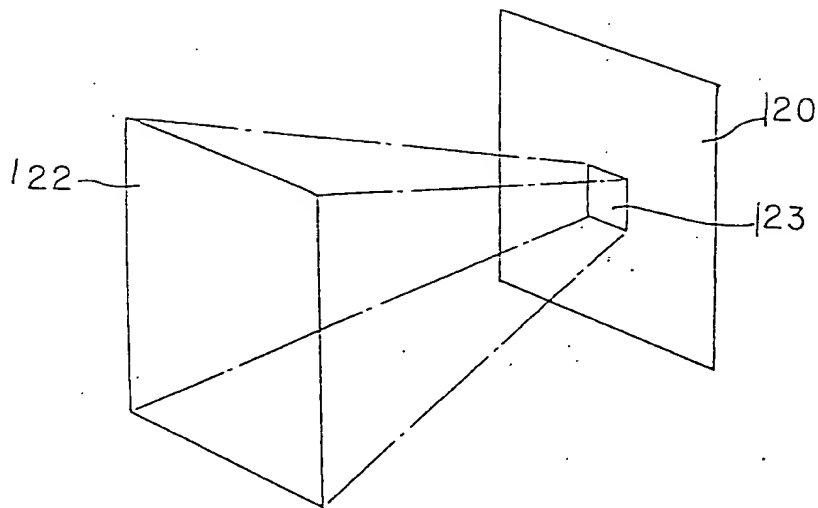


FIG. 9





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FIG. 10A

(20)

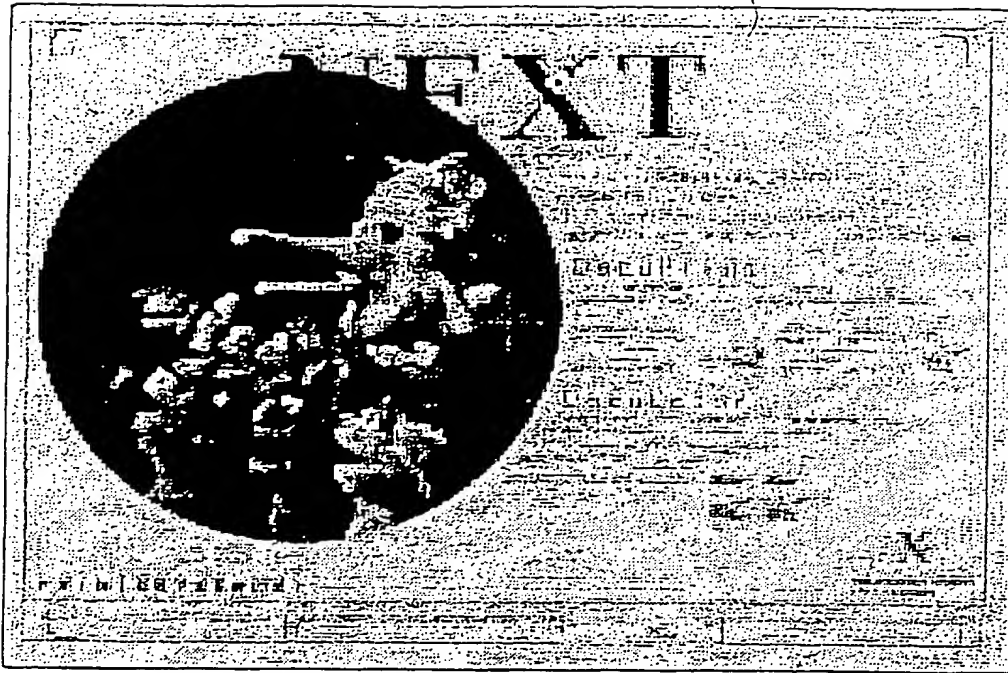


FIG. 10B

(20)



/20a

/20b

00227 557760

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FIG. 11A

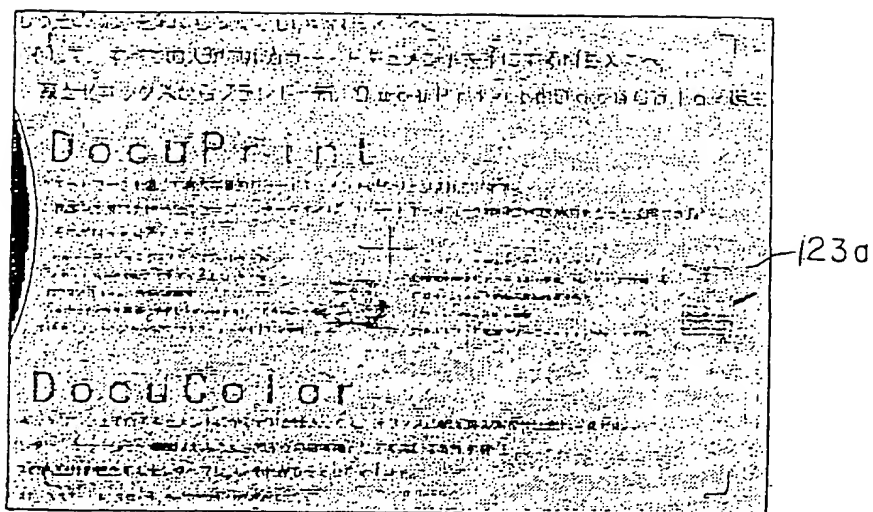


FIG. 11B

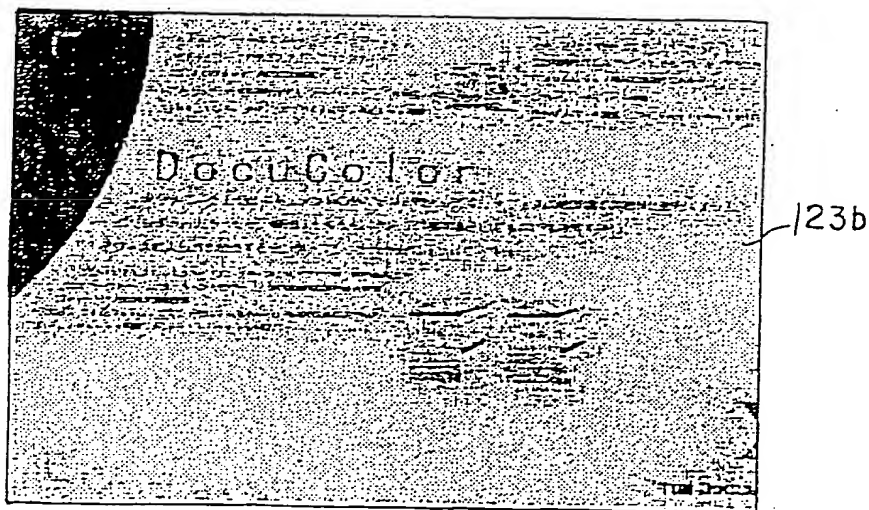
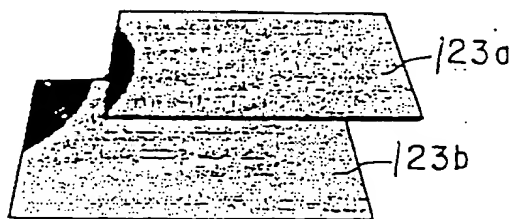


FIG. 11C



00747455.44200

FIG. 12A

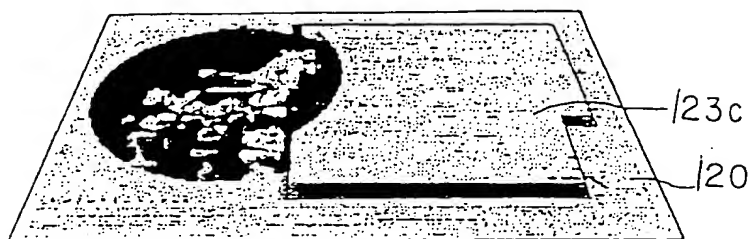


FIG. 12B

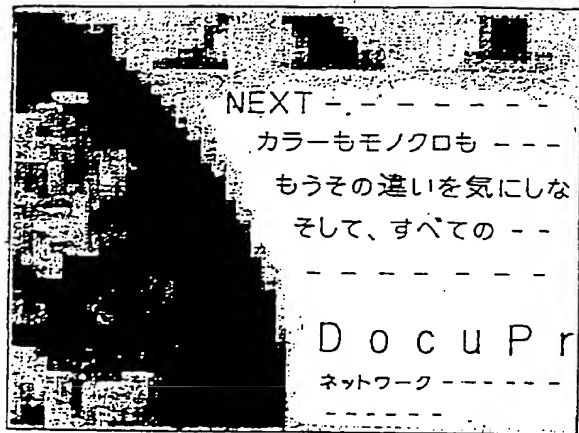
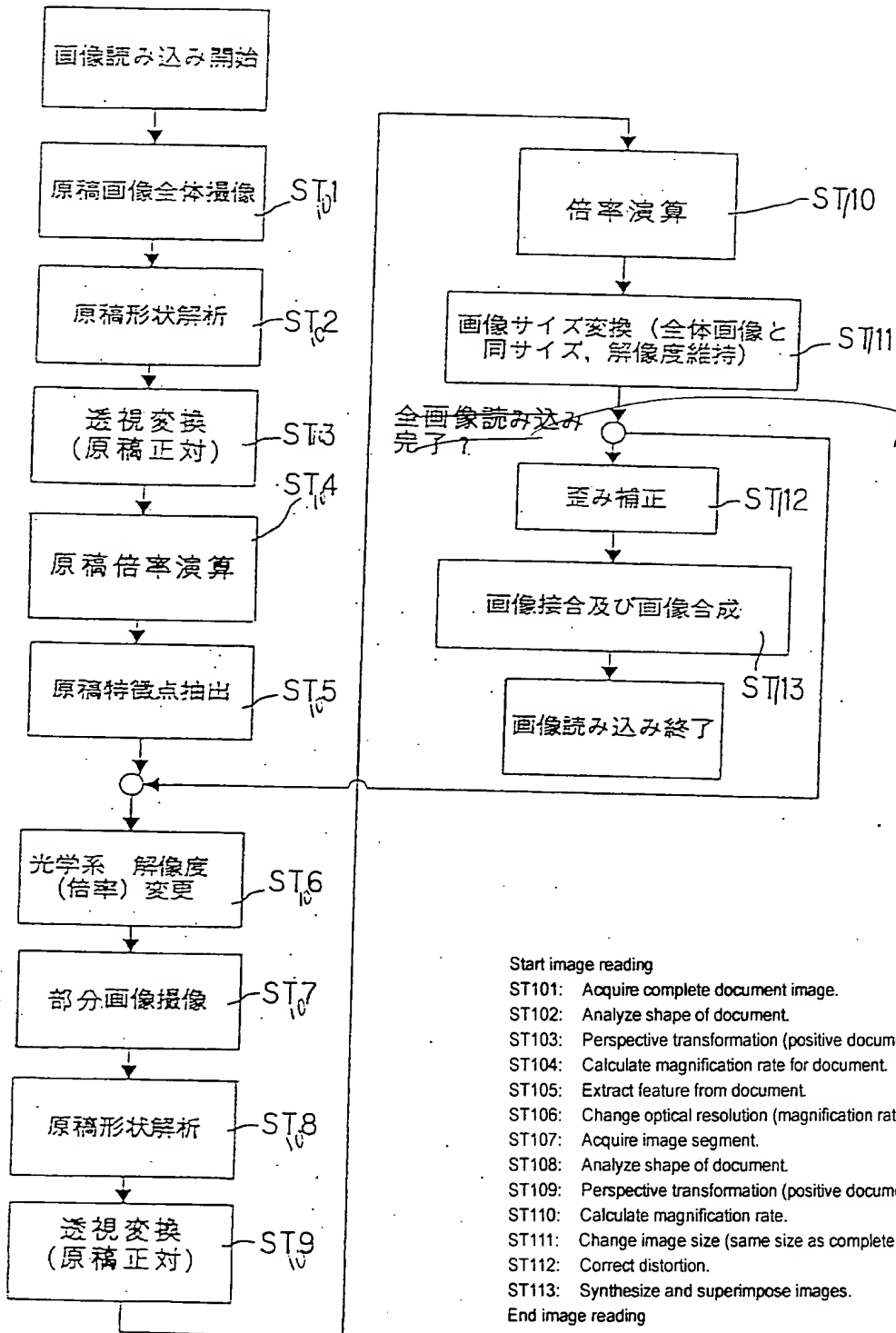


FIG. 13



Start image reading

ST101: Acquire complete document image.

ST102: Analyze shape of document.

ST103: Perspective transformation (positive document pair)

ST104: Calculate magnification rate for document.

ST105: Extract feature from document.

ST106: Change optical resolution (magnification rate).

ST107: Acquire image segment.

ST108: Analyze shape of document.

ST109: Perspective transformation (positive document pair).

ST110: Calculate magnification rate.

ST111: Change image size (same size as complete image, maintain resolution).

ST112: Correct distortion.

ST113: Synthesize and superimpose images.

End image reading

